

**OPINIONS AND DECLARATIONS
RENDERED BY THE INTER-
NATIONAL COMMISSION ON
ZOOLOGICAL NOMENCLATURE**

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.

Secretary to the Commission

VOLUME 8. Part 5. Pp. 63—72

OPINION 288

Suppression, under the Plenary Powers, of the generic name *Monoculus* Linnaeus, 1758 (systematic position indeterminate) and matters incidental thereto



LONDON :

Printed by Order of the International Trust for
Zoological Nomenclature
and

Sold on behalf of the International Commission on Zoological
Nomenclature by the International Trust at its Publications Office
41, Queen's Gate, London, S.W.7
1954

Price Five Shillings

(All rights reserved)

INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 288

A. The Officers of the Commission

Honorary Life President : Dr. Karl Jordan (*British Museum (Natural History), Zoological Museum, Tring, Herts., England.*)

President : (Vacant).

Vice-President : Senhor Dr. Afranio do Amaral (*Sao Paulo, Brazil.*)

Secretary : Mr. Francis Hemming (*London, England.*)

B. The Members of the Commission

(*arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology.*)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (*Vice-President*) (1st January 1944).

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (1st January 1944).

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (28th March 1944).

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (23rd April 1944).

Dr. William Thomas CALMAN (*Coulsdon, Surrey, England*) (1st January 1947).

Professor Béla HANKÓ (*Békéscsaba, Hungary*) (1st January 1947).

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (1st January 1947).

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947).

Senor Dr. Angel CABRERA (*Eva Peron, F.C.N.G.R., Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (*Secretary*) (27th July 1948).

Dr. Joseph PEARSON (*Tasmanian Museum, Hobart, Tasmania, Australia*) (27th July 1948)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950).

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950).

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950).

Professor Tadeusz JACZEWSKI (*Department of Systematic Zoology, Warsaw University, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a. M., Germany*) (5th July 1950).

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950).

OPINION 288

SUPPRESSION, UNDER THE PLENARY POWERS, OF THE GENERIC NAME "MONOCULUS" LINNAEUS, 1758 (SYSTEMATIC POSITION INDETER- MINATE) AND MATTERS INCIDENTAL THERE TO

RULING : (1) Under the Plenary Powers, the under-mentioned names are hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy :—(a) the generic name *Monoculus* Linnaeus, 1758 (systematic position indeterminate) ; (b) the specific name *telemus* Linnaeus, 1758, as published in the combination *Monoculus telemus*.

(2) The specific name *tridentata* Forskål, 1775, as published in the combination *Anomia tridentata*, is hereby placed on the *Official List of Specific Names in Zoology* as Name No. 119.

(3) The generic name *Monoculus* Linnaeus, 1758, as suppressed, under the Plenary Powers, under (1) (a) above, is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* as Name No. 101.

(4) The specific name *telemus* Linnaeus, 1758, as published in the combination *Monoculus telemus* and as suppressed, under the Plenary Powers, under (1) (b) above, is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* as Name No. 72.

I.—THE STATEMENT OF THE CASE

On 22nd June 1948 Professor H. Munro Fox (*Bedford College for Women, London University, London*) submitted a preliminary communication on the subject of the possible suppression, by the

International Commission under its Plenary Powers, of the generic name *Monoculus* Linnaeus, 1758, the name of a nominal genus for which no type species had ever been designated and the systematic position of which was in consequence indeterminate. Correspondence ensued between the Secretary and Professor Munro Fox, as the result of which the following application was submitted by Professor Munro Fox on 22nd January 1949 :—

Proposed suppression under the Plenary Powers of the generic name “*Monoculus*” Linnaeus, 1758

By H. MUNRO FOX, F.R.S.
(*Bedford College, London University*)

The Linnean genus *Monoculus* (1758, *Syst. Nat.* (ed. 10) 1 : 634) has now vanished from zoological literature. Each of its nine species has been put into a different newer genus. The genera are the following (using the enumeration in the *Systema Naturae*) :—

<i>Name of species</i>	<i>Genus in which species now placed</i>
1. <i>Monoculus Polyphemus</i> ..	<i>Limulus</i> Müller, 1785
2. <i>M. foliaceus</i>	<i>Argulus</i> Müller, 1785
3. <i>M. Apus</i>	<i>Lepidurus</i> Leach, 1819
4. <i>M. Pulex</i>	<i>Daphnia</i> Müller, 1785
5. <i>M. Pediculus</i>	<i>Polyphemus</i> Müller, 1776
6. <i>M. quadricornis</i>	<i>Cyclops</i> Müller, 1776
7. <i>M. conchaceus</i>	<i>Cypris</i> Müller, 1776
8. <i>M. lenticularis</i>	<i>Limmadia</i> Brongniard, 1820
9. <i>M. Telemus</i>	<i>Cavolina</i> Abildgaard, 1791

2. For the first seven species of *Monoculus*, Linnaeus gave references to publications, usually quoting figures, and from these figures and the description in the text we are certain to what animals the names apply. But species Nos. 8 and 9 cannot immediately be recognised from their descriptions and for each of them Linnaeus gave only a reference to one person. These were, for species No. 8, Uddman, a pupil of his, studying in Finland, and, for species No. 9, E. Brander, the Swedish consul at Algiers ; presumably they had sent him the specimens.

3. Species No. 8, *Monoculus lenticularis*, is difficult to recognise from its short description in 1758 in the *Systema Naturae*, but this description was improved in 1761 by the addition of the word “pellucida” in the Second Edition of the *Fauna Svecica* (: 499). Hermann (1804) thought that his *Daphnia gigas* might be *Monoculus lenticularis*. Brongniard (1820) named the same animal *Limmadia hermanni*. Lilljeborg (1871) was sure that these animals, since they occur in Sweden, were *Monoculus lenticularis*, because there is no other

flat and pellucid species of this kind in that country. Sahlberg (1875) pointed out that, as it is also found in Finland, it must be the Linnean species. It is now called *Limnadia lenticularis* (Linnaeus).

4. Species No. 9, *Monoculus Telemus*, is a pteropod mollusc belonging to the genus *Cavolina* Abildgaard, 1791. Telemus was a soothsayer in Homer's "Odyssey". The species is today called *Cavolina tridentata* (Forskål). Davila (1767, vol. 1, plate 20 figs. D and e) figured the shell. Forskål (1775, *Descr. Anim.* : 124) described it as *Anomia tridentata*. Abildgaard (1791) named it *Cavolina natans*, because Cavolini of Naples had told him how this animal swims; he referred to Davila. Hermann (1804) recognised that the species described by Davila, Forskål and Abildgaard corresponds to *Monoculus Telemus* Linnaeus. I have been able to confirm this from a handwritten entry by Linnaeus in his copy of the 12th Edition of the *Systema Naturae* (1767), now in the library of the Linnean Society of London, which refers to the plate and figures of Davila. Philippi (1853) renamed the genus *Cavolinia*, but there is no justification for this. No advantage of any kind would be served by the re-introduction of the trivial name *telemus* Linnaeus, 1758, for this species, in place of the well-known trivial name *tridentata* Forskål, 1775, by which it has been known continuously for nearly 150 years. I accordingly ask the International Commission on Zoological Nomenclature to use its Plenary Powers to suppress the trivial name *telemus* Linnaeus, 1758, as published in the binominal combination *Monoculus telemus*, and, having done so, (i) to place that trivial name on the *Official Index of Rejected and Invalid Specific Trivial Names in Zoology*, and (ii) to place the trivial name *tridentata* Forskål, 1775, as published in the binominal combination *Anomia tridentata*, on the *Official List of Specific Trivial Names in Zoology*.

5. While the nine species of *Monoculus* are now placed in nine other genera, the Linnean genus itself is still nomenclatorially available and every one of the generic names at present used for the nine species is liable to be superseded if one or other of those species were to be selected as the type species of *Monoculus* Linnaeus. This is highly undesirable, since the generic names in question have come to be very well known to zoologists. One of these names, *Limulus* Müller, has indeed already been placed on the *Official List of Generic Names in Zoology*¹. I accordingly apply herewith to the International Commission on Zoological Nomenclature to suppress the name *Monoculus* Linnaeus, 1758, under its Plenary Powers, on the grounds that reintroduction of this name would clearly lead to greater confusion than uniformity, and, having done so, to place this name on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

¹ The name *Limulus* Müller, 1785, was placed on the Ruling given in *Opinion* 104 (1928, *Smithson. misc. Coll.* 73 (No. 5) : 25). A technical defect in the foregoing Ruling has since been remedied by the Commission under its Plenary Powers in *Opinion* 320 (now in the press).

References

- Abildgaard, P. E., 1791. "Nyere Efterretning om det Skaldyr fra Middelhavet, som Forskål har beskrevet under Navn af *Anomia tridentata*." *Skr. naturhist. Selsk.*, Copenhagen 1 : 171.
- Brongniard, A., 1820. "Mémoire sur la Limnadia." *Mém. Mus. Hist. nat. Paris* 6 : 83.
- Davila (1767). *Catalogue systématique et raisonné des curiosités de la Nature et de l'art qui composent le cabinet de M. Davila*, Paris.
- Forskål, P. (1775). *Descriptiones Animalium*, Copenhagen.
- Hermann, J. F. (1804). *Mémoire aptérologique*, Strassburg.
- Leach, W. E. (1819). "Entomostracés" in *Dictionnaire des Sciences naturelles* 14.
- Lilljeborg, W. (1871). "*Limnadia gigas* (J. F. Hermann) förekommande i Sverige." *Ofvers. Vetensk. Akad. Stockh.* 28 : 823.
- Müller, O. F. (1776). *Zoologiae danicae Prodromus*, Copenhagen.
- Müller, O. F. (1785). *Entomostraca, seu Insecta Testacea*, Leipzig and Copenhagen.
- Philippi, R. A. (1853). *Handbuch der Conchyliologie und Malacozoologie*, Halle.
- Sahlberg, J. R. (1875). "Om Finlands hiltills kända phyllopodet och återfinnandet af Linnés *Monoculus lenticularis*." *Faun. Flor. Fenn. Notiser*, Helsingfors.

II.—THE SUBSEQUENT HISTORY OF THE CASE

2. *Registration of the present application*: On receipt of Professor Munro Fox's preliminary communication of June 1948, the case of the name *Monoculus* Linnaeus, 1758, was given the Registered Number Z.N.(S.) 377.

3. *Publication of the present application*: The present application was sent to the printer in September 1950, and publication took place on 20th April 1951 (Fox, 1951, *Bull. zool. Nomencl.* 2 : 37—39).

4. *Issue of Public Notices*: In accordance with the revised arrangements approved by the Thirteenth International Congress

of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 20th April 1951 both in Part 2 of volume 2 of the *Bulletin of Zoological Nomenclature* (the Part in which Professor Munro Fox's application was published) and also to the other prescribed serial publications. In addition, Notice of this application was given to other serial publications likely to be interested. The publication of these Notices elicited no objection to the action proposed.

5. *Support received for Professor Munro Fox's application:*

Letters of support for Professor Munro Fox's application were received from the following specialists:—(1) Dr. Joshua L. Baily, Jr. (*San Diego, California, U.S.A.*); (2) Dr. R. Ph. Dollfus (*Muséum National d'Histoire Naturelle, Paris*). The communications so received are given in the immediately following paragraphs.

6. *Support received from Dr. Joshua L. Baily, Jr. (San Diego, California, U.S.A.):* The following is an extract from a letter dated 22nd June 1951 received from Dr. Joshua L. Baily, Jr. (*San Diego, California, U.S.A.*), supporting Professor Munro Fox's application (Baily, 1951, *Bull. zool. Nomencl.* 2 : 345):—

With reference to the application submitted by Professor H. Munro Fox (1951, *Bull. zool. Nomencl.* 2 : 37—39) I am of the opinion that the generic name *Monoculus* Linnaeus, 1758, should be suppressed under the Plenary Power before someone selects a type species for the genus so named, and, by doing so, upsets a long-established and universally understood name.

7. *Support received from Dr. R. Ph. Dollfus (Muséum National d'Histoire Naturelle, Paris):* The following is an extract from a letter dated 25th June 1951 received from Dr. R. Ph. Dollfus (*Muséum National d'Histoire Naturelle, Paris*), supporting Professor Munro Fox's application (Dollfus, 1952, *Bull. zool. Nomencl.* 6 : 211):—Je suis pour la suppression de *Monoculus* Linnaeus, 1758.

III.—THE DECISION OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

8. *Issue of Voting Paper V.P.(52)5* : On 7th April 1952, a Voting Paper (V.P.(52)5) was issued in which the Members of the Commission were invited to vote either for, or against, "the proposal relating to the generic name *Monoculus* Linnaeus, 1758, as specified in the last sentence of the concluding paragraph on page 38 of volume 2 of the *Bulletin of Zoological Nomenclature*" [i.e. the proposal submitted in the last paragraph of the application reproduced in the first paragraph of the present *Opinion* and the associated proposal specified at the end of the immediately preceding paragraph].

9. *The prescribed Voting Period*: As the foregoing Voting Paper was issued under the Three-Month Rule, the prescribed Voting Period closed on 7th July 1952.

10. *Particulars of the Voting on Voting Paper V.P.(52)5* : The state of the voting on Voting Paper V.P.(52)5 at the close of the prescribed Voting Period was as follows :—

(a) *Affirmative Votes had been given by the following sixteen (16) Commissioners (arranged in the order in which Votes were received)*:

Calman ; Hering ; do Amaral ; Dymond ; Riley ;
Cabrera ; Stoll ; Esaki ; Pearson ; Bonnet ; Mertens ;
Lemche ; Vokes ; Bradley ; Boschma ; Hemming ;

(b) *A Negative Vote had been given by one (1) Commissioner*:

Hankó ;

(c) *Voting Paper V.P.(52)5 was not returned by one (1) Commissioner*:

Jaczewski.

11. *Declaration of Result of Vote*: On 8th July 1952, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(52)5;

signed a Certificate that the Votes cast were as set out in paragraph 10 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

12. On 27th February 1954, Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(52)5.

13. The following are the original references for the names which appear in the Ruling given in the present *Opinion* :—

Monoculus Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 634
telemus, *Monoculus*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 635
tridentata, *Anomia*, Forskål, 1775, *Descr. Anim.* : 124.

14. At the time of the adoption of the Ruling given in the present *Opinion*, the expression prescribed for the second portion of the binomen which constitutes the scientific name of a species was the expression "trivial name" and the *Official List* reserved for recording such names was styled the *Official List of Specific Trivial Names in Zoology*, the word "trivial" appearing also in the title of the *Official Index* reserved for recording rejected and invalid names of this category. Under a decision taken by the Fourteenth International Congress of Zoology, Copenhagen, 1953, the expression "specific name" was substituted for the expression "trivial name" and corresponding changes were made in the titles of the *Official List* and *Official Index* of such names (1953, *Copenhagen Decisions zool. Nomencl.* : 21). The changes in terminology so adopted have been incorporated in the Ruling given in the present *Opinion*.

15. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the

International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

16. The present *Opinion* shall be known as *Opinion Two Hundred and Eighty-Eight (288)* of the International Commission on Zoological Nomenclature.

DONE in London, this First day of March, Nineteen Hundred and Fifty-Four.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING